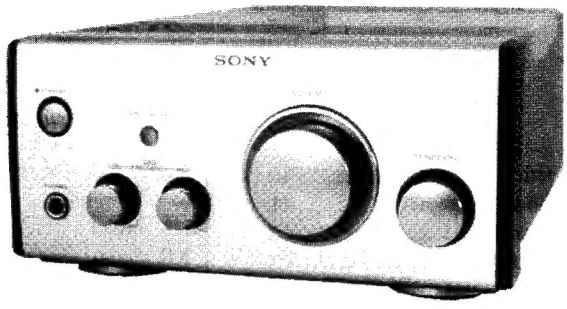
TA-SP55

SERVICE MANUAL

AEP Model
UK Model
E Model



TA-SP55 is the amplifier section
in CMT-SP55MD or CMT-SP55TC.

This stereo system is equipped with the Dolby* B-type noise reduction system.
* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol ⊡⊡ are trademarks of the Dolby Laboratories Licensing Corporation.

SPECIFICATIONS

European model:

DIN power output (Rated): 25 + 25 watts (8 ohms at 1 kHz, DIN, 230 V)
Continuous RMS power output (Reference): 30 + 30 watts (8 ohms at 1 kHz, 10% THD, 230 V)
Music power output (Reference): 75 + 75 watts

Other models:

DIN power output (Rated): 25 + 25 watts (8 ohms at 1 kHz, DIN, 240 V)
22 + 22 watts (8 ohms at 1 kHz, DIN, 220 V)
Continuous RMS power output (Reference): 30 + 30 watts (8 ohms at 1 kHz, 10% THD, 240 V)
28 + 28 watts (8 ohms at 1 kHz, 10% THD, 220 V)
Output
PHONES (stereo phono jack): accepts headphones of 8 ohms or more.

General

Power requirements	
European model:	230 V AC, 50/60 Hz
Other models:	110 – 120 V or 220 – 240 V AC, 50/60 Hz
Power consumption	70 watts
Dimensions (w/h/d)	Approx. 202 x 101 x 306 mm
Mass	Approx. 3.9 kg

Design and specifications are subject to change without notice.

MICRO Hi-Fi COMPONENT SYSTEM

SONY®

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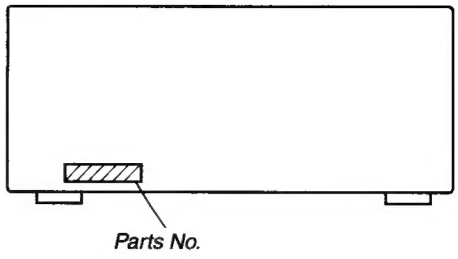
MODEL IDENTIFICATION



MODEL	PARTS No.
AEP, AED, UK model	4-229-700-0□
MY, SP model	4-229-700-2□
HK model	4-229-700-3□
KR model	4-229-700-4□

- Abbreviation
  AED : North European model
  MY : Malaysia model
  SP : Singapore model
  HK : Hong Kong model
  KR : Korea model

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1
SERVICING NOTE

This unit cannot be repaired by itself.
When repairing, connect the whole system except for the speaker.

CD Text Display

- This unit displays CD text.
  Text is displayed for the first 50 track only and will not be displayed from the 51st track onwards. Do not suspect a fault in this case.
  In some cases, some special characters will not be displayed and may be replaced by other characters. Do not suspect a fault in this case.

Cold Reset

- The cold reset clears all data including preset data stored in the RAM to initial conditions. Execute this mode when returning the set to the customer.

Procedure :

1. When the power ON, press the [I/⏻] button (TA) while pressing the [TUNING MODE] button (ST) and [▶▶▷▷|] buttons (CDP) together.
2. "COLD RESET" is displayed on the fluorescent indicator tube and reset is executed.

Hot Reset

- This mode reset the preset data kept in the memory. The hot reset mode functions same as if the power cord is plugged in and out.

Procedure :

1. When the power ON, press the [I/⏻] button (TA) while pressing the [TUNING MODE] button (ST) and [|◁◁◀◀] buttons (CDP) together.
2. Turn off the unit and reset is executed.

GC Test Mode

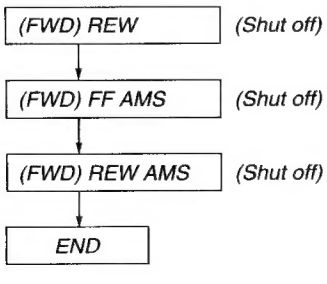
Procedure :

1. When the power ON, press the [I/⏻] button (TA) while pressing the [TUNING MODE] button (ST) and [PLAY MODE] buttons (CDP) together.
2. Fluorescent indicator tube are all turned on.
3. Press [TUNING MODE] button (ST) to enter the model destination indecation mode. "SP55 CE2" appears.
4. Every pressing of [TUNING MODE] button (ST) changes the display in the following order.
   MC Version → CD Version → ST Version → TC Version → TA Version → TM Version → model destination display.
5. Press [DISPLAY] button (ST) and the date appears as " 00615a "
   Every pressing of [DISPLAY] button (ST) changes the display in the Version display and model destination display.
6. Press [TUNER/BAND] button (ST) to enter the key check mode.
7. In the key check mode, the fluorescent indicator tube displays "Key 0 Vol 0". Each time a button is pressed, "Key" value increases. However, once a button is pressed, it is no longer taken into account.
   "Vol" Value increases like "1, 2, 3 ..." if rotating [VOLUME] knob (TA) in the clockwise direction, or decreases like "0, 9, 8 ..." if rotating in the counterclockwise diretion.
8. To exit from this mode, press three buttons in the same procedure as step 1, or disconnect the power cord.

MC Test Mode

Procedure :

1. When the power ON, press the [I/⏻] button (TA) while pressing [TUNING MODE] button (ST) and [REPEAT] button (CDP) together.
2. Frame of the MD mark and the CD mark flash, and "BASS/TRE FLAT" appears for a moment.
3. When the [VOLUME] knob (TA) is turned clockwise, "VOLUME MAX" appears for a moment.
4. When the [VOLUME] knob (TA) is turned counterclockwise, "VOLUME MIN" appears for a moment.
5. Select the function "TAPE" using the [FUNCTION] knob (TA).
   Set the test tape AMS-110A or AMS-120.
6. Press [DIRECTION] button (TC) to enter either "⟲" (loop) or "⇄" (two way).
7. Press the [CD SYNC REC] button (TC) to start the AMS test.

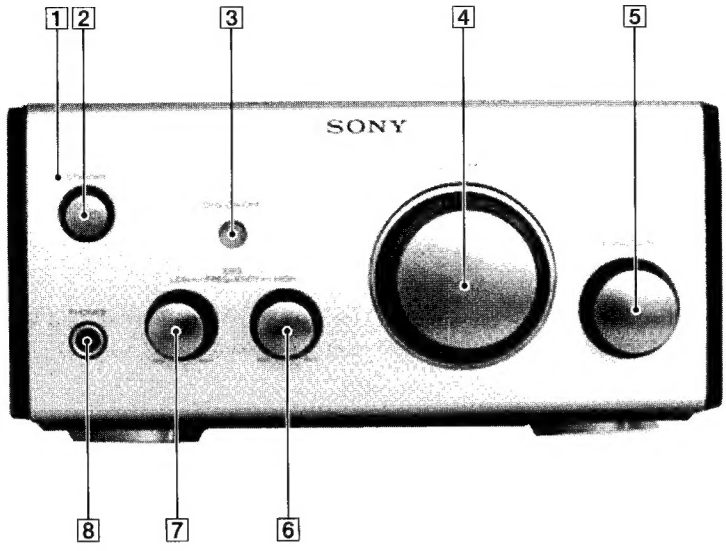


8. Number of AMS signals is counted during the AMS test and the message "EDG#" (# means a number) appears. When the test tape either AMS-110A or AMS-120 is used, the AMS signal is detected twice before shut off.
9. When the AMS test ends, either "OK" or "NG" appears.
10. To exit the MC test mode, either press the [I/⏻] button (TA)or perform the cold reset as described above.

SECTION 2
GENERAL

This section is extracted from instruction manual.

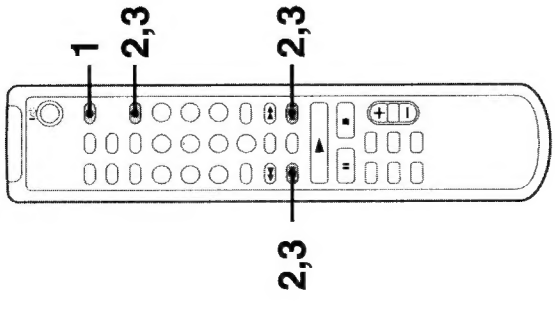
FRONT PANEL



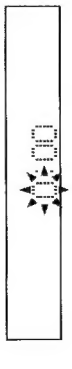
1 STANDBY indicator
2 I/⏻ button
3 DSG ON/OFF button and indicator
4 VOLUME knob
5 FUNCTION knob
6 DSG FREQUENCY HIGH knob
7 DSG FREQUENCY LOW knob
8 PHONES jack

Step 2: Setting the time

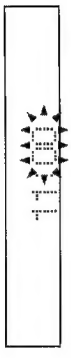
You must set the time beforehand to use the timer functions.
The clock is on a 24-hour system for the European model, and a 12-hour system for other models. The 24-hour system is used for illustration purposes.
Set the time before turning on the system.



1 Press CLOCK/TIMER SET while the system is off.
The hour indication flashes.



2 Press I◀◀ or ▶▶I to set the hour, then press ENTER/YES.
The minute indication flashes.



3 Press I◀◀ or ▶▶I to set the minute, then press ENTER/YES.
The clock starts.

If you made a mistake

Start over from step 1.

To change the preset time

You can change the preset time while the system is on.

1 Press CLOCK/TIMER SET.
2 Press I◀◀ or ▶▶I repeatedly until "SET CLOCK" appears, then press ENTER/YES.
3 Repeat steps 2 and 3.

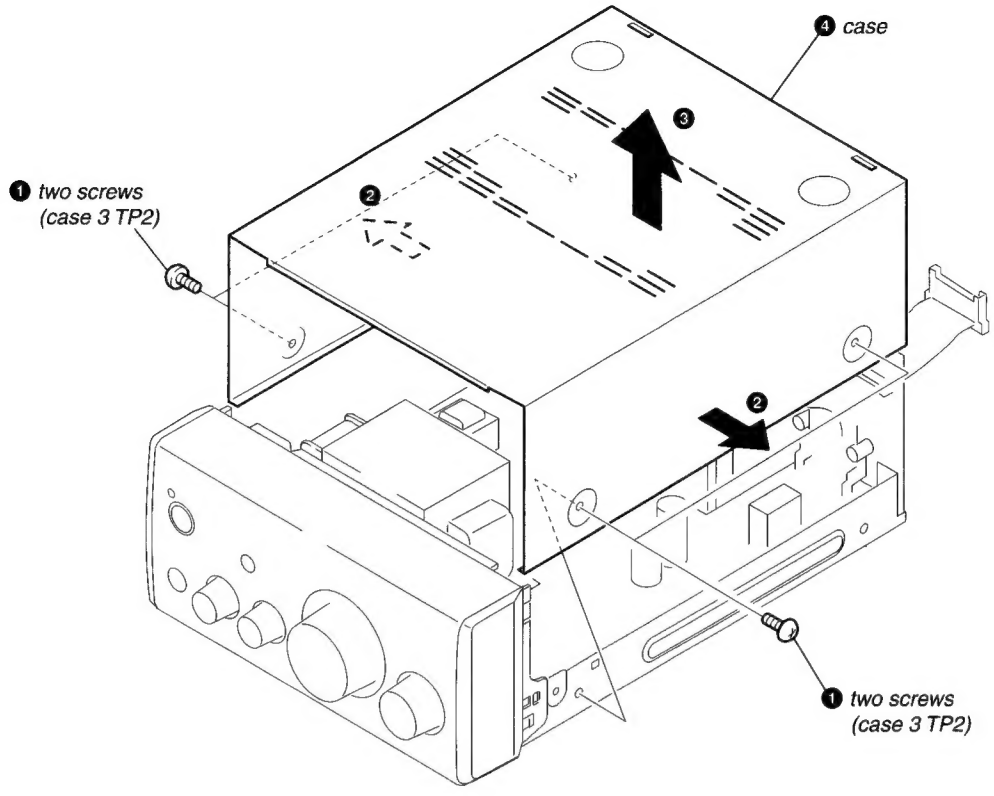
Tips

- The built-in clock shows the time in the display while the system is off. If you press DISPLAY at this time, the display back light lights up, making the clock easier to see.
- The upper dot of the colon flashes for the first 30 seconds, and the lower dot flashes for the last 30 seconds of each minute.

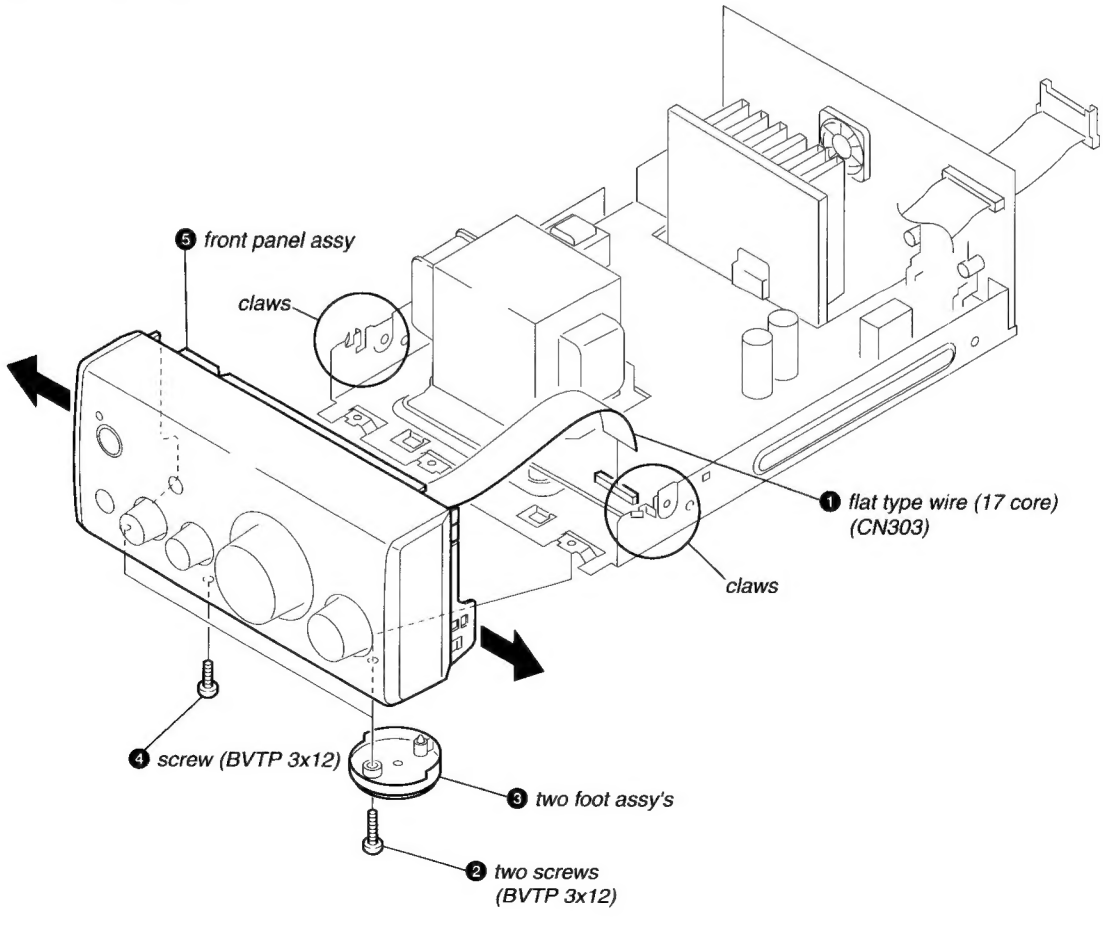
SECTION 3
DISASSEMBLY

Set ➡ Case ➡ Front Panel Assy ➡ HP Board, Panel Board

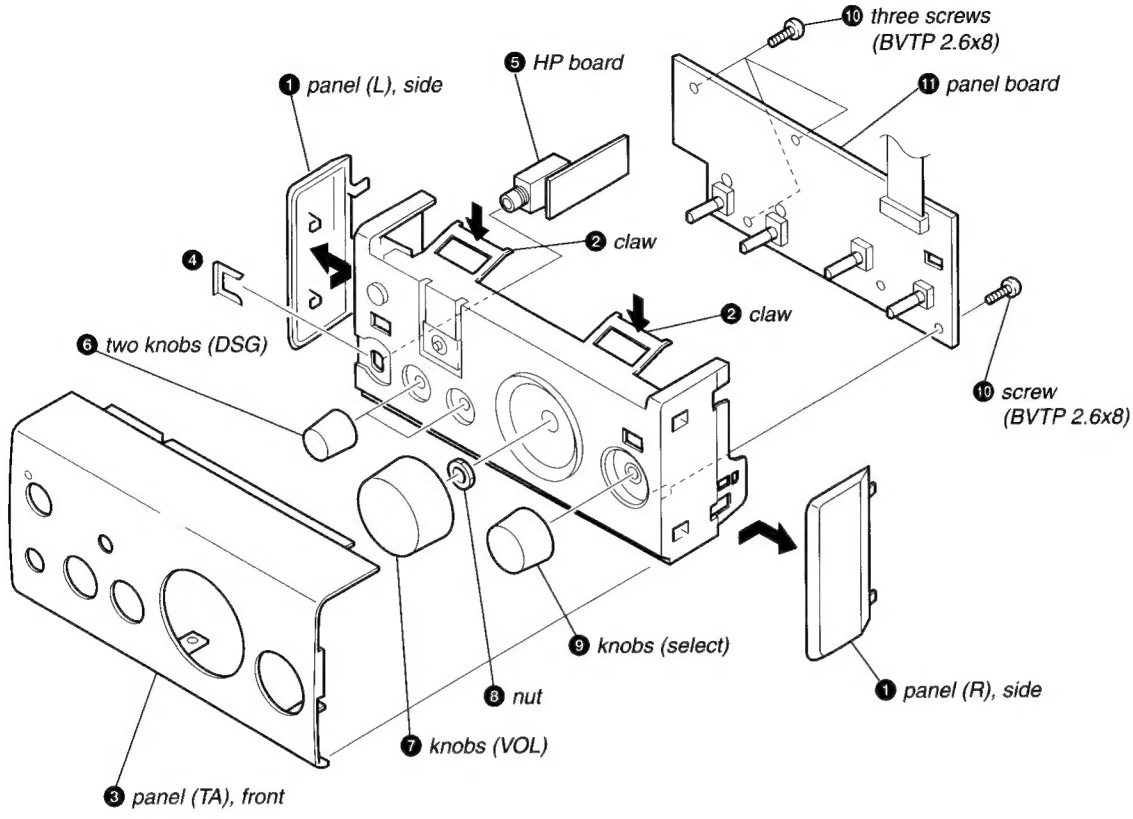
3-1. CASE



3-2. FRONT PANEL ASSY



3-3. HP BOARD, PANEL BOARD



SECTION 4
DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For schematic diagrams.

Note:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

> **Note:**
> The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
> Replace only with part number specified.

- B+ : B+ Line.
- B− : B− Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM
- Abbreviation
  AED: North European model
  MY: Malasia model
  SP: Singapore model
  HK: Hong Kong model
  KR: Korea model

For printed wiring boards.

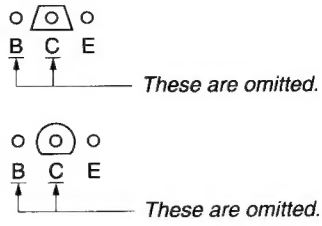
Note:

- o—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- ○ : Through hole.
- ▒▒ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

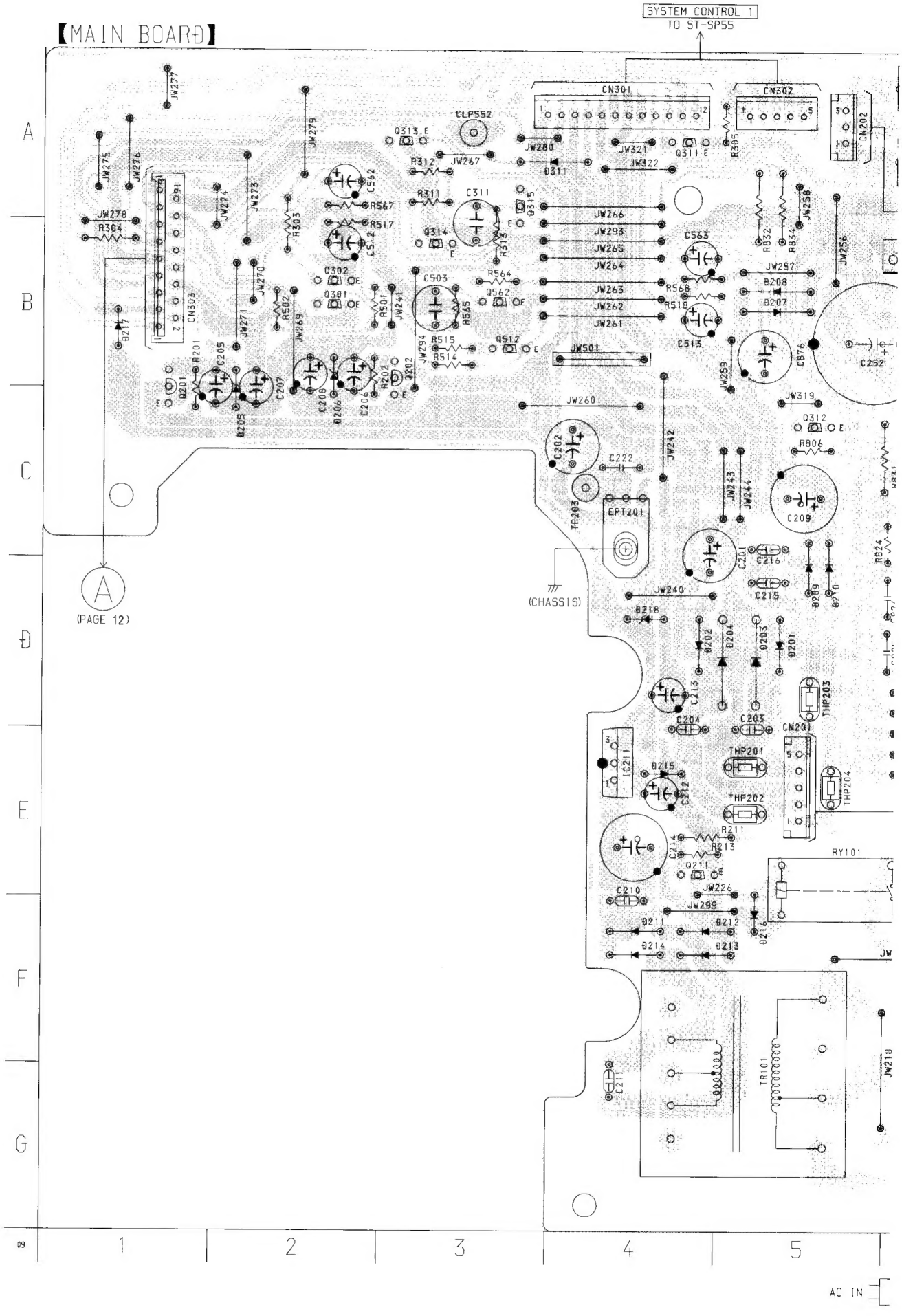
> Caution:
> Pattern face side: (Side B) Parts on the pattern face side seen from the pattern face are indicated.
> Parts face side: (Side A) Parts on the parts face side seen from the parts face are indicated.

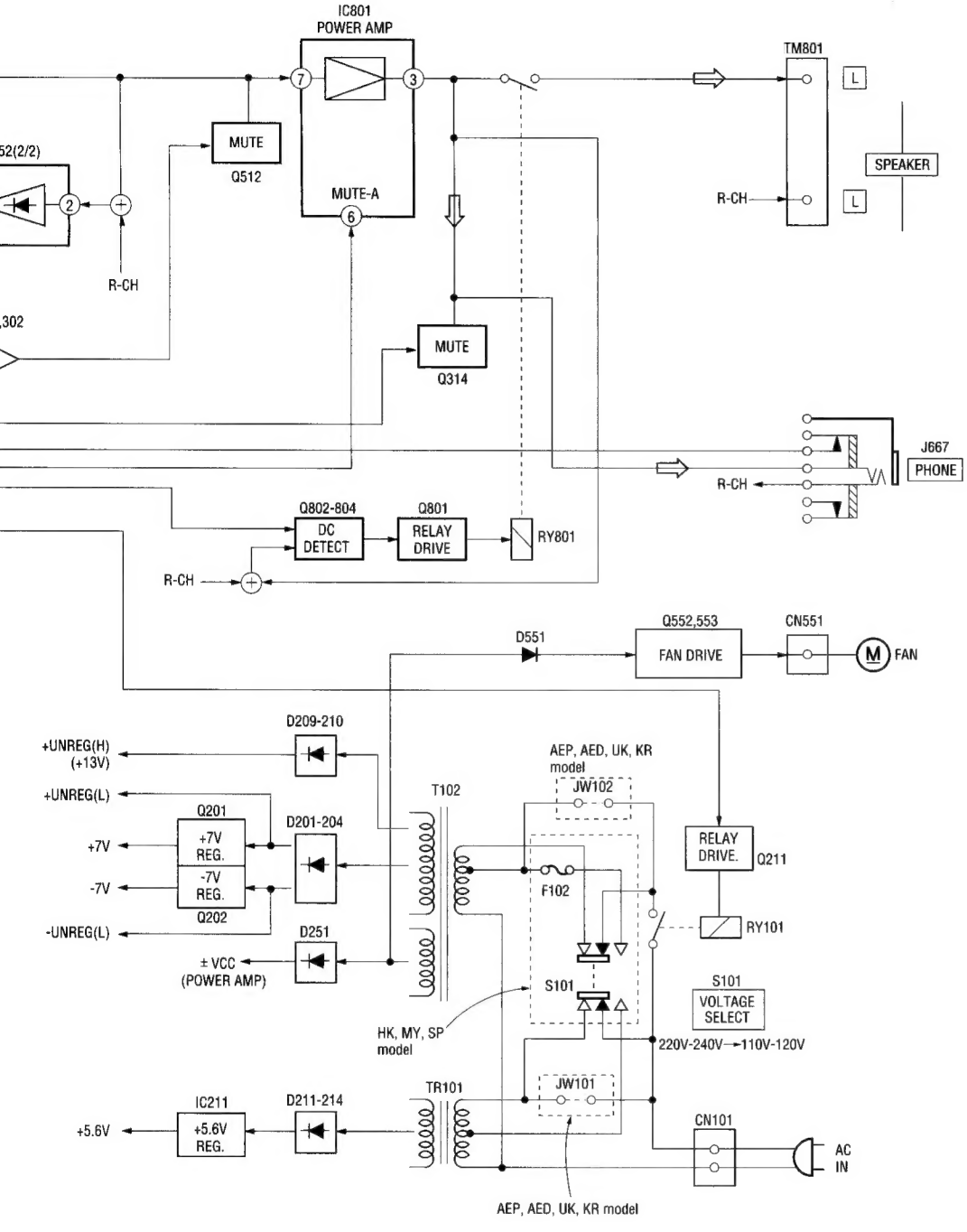
- **Indication of transistor**



MEMO

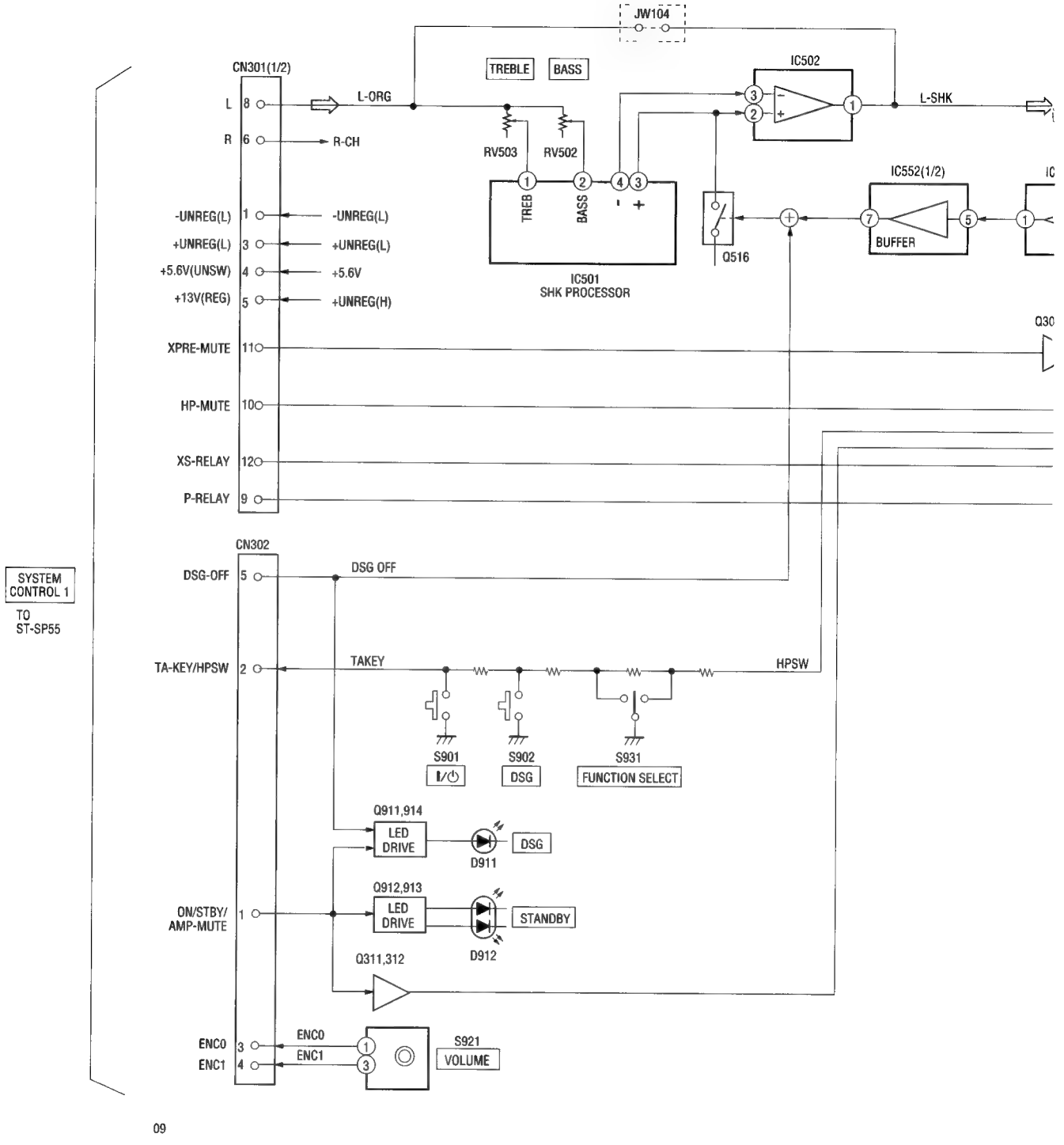
4-2. PRINTED WIRING BOARD – MAIN SECTION –



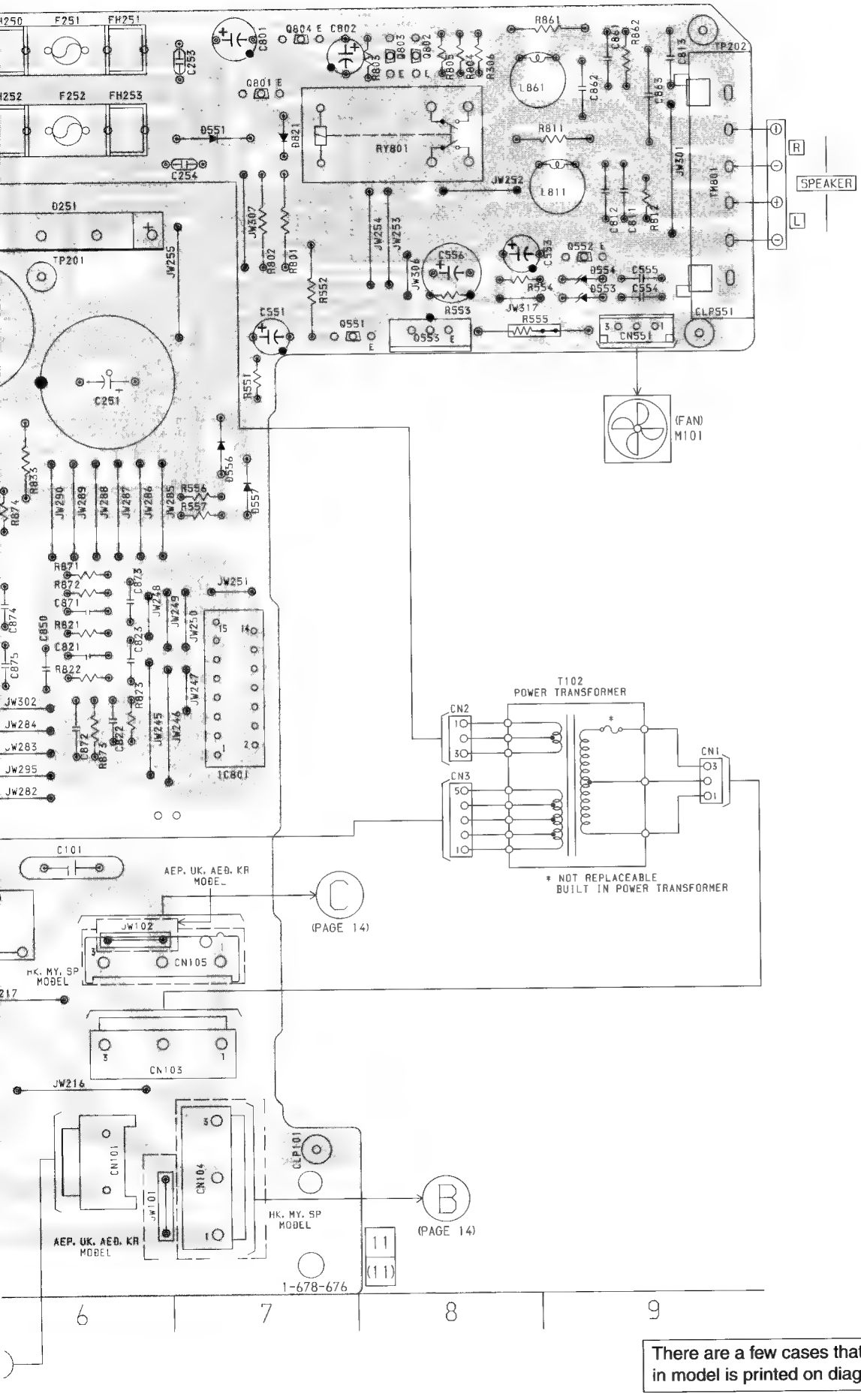


- R-ch is omitted due to same as L-ch.
- Signal Path
  ⇨: FM

4-1. BLOCK DIAGRAM



09

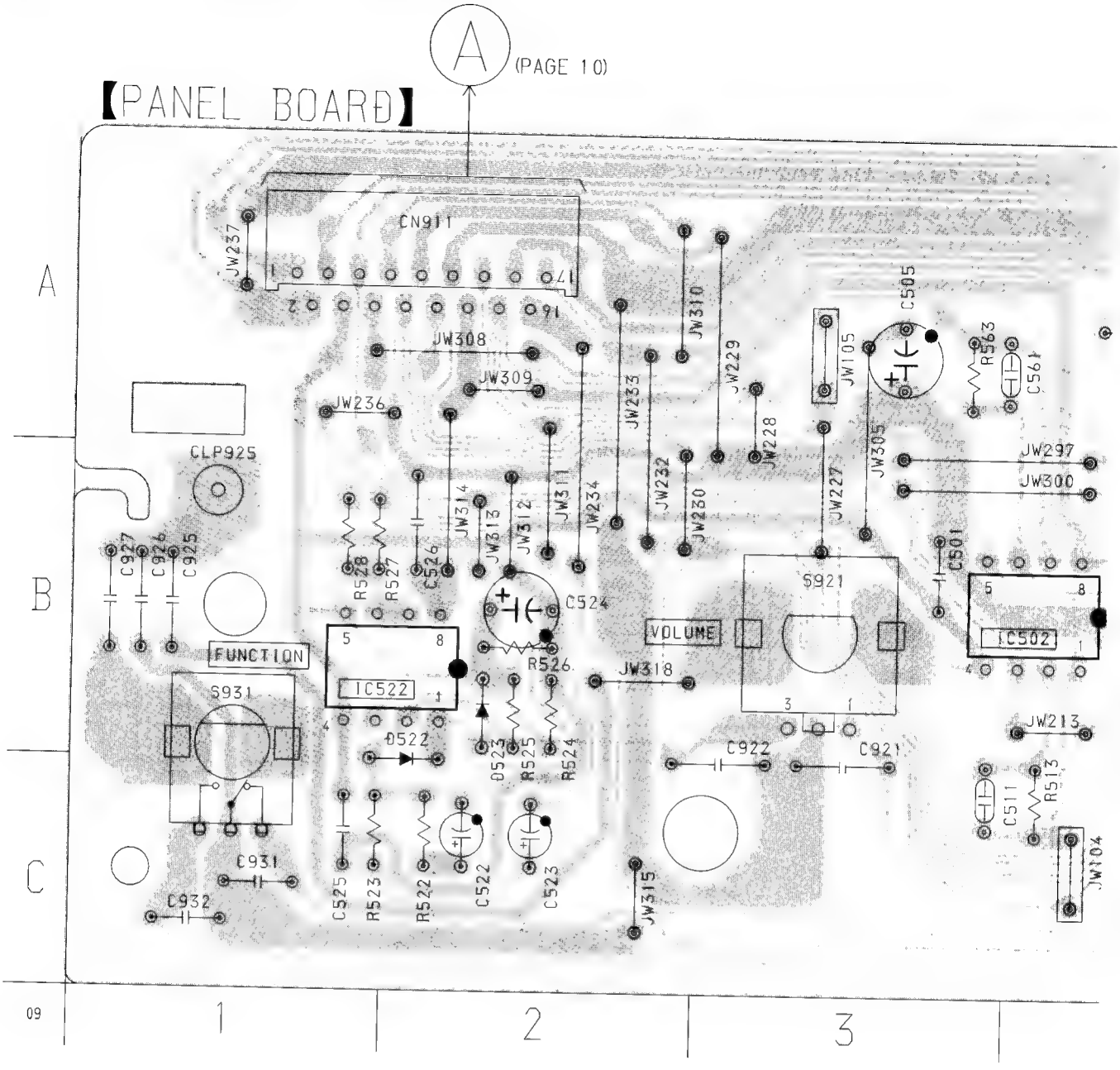


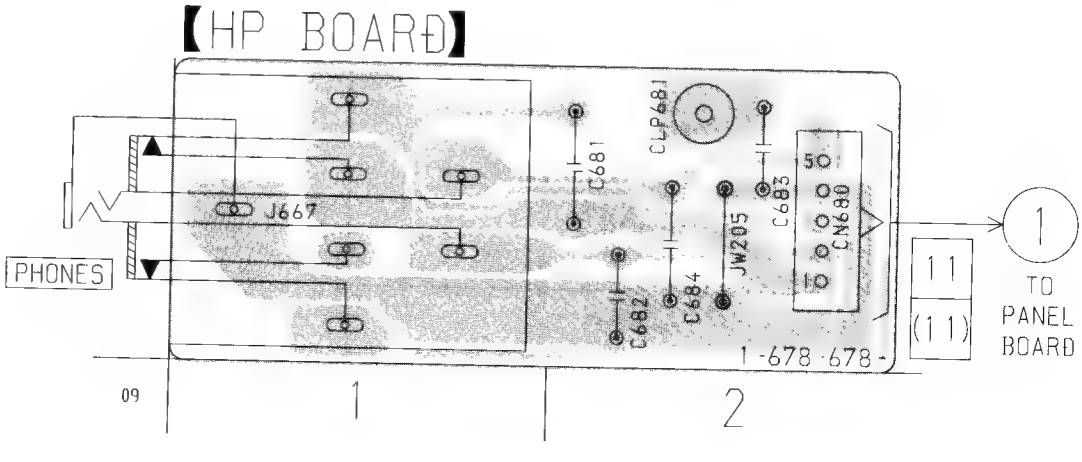
• Semiconductor Location

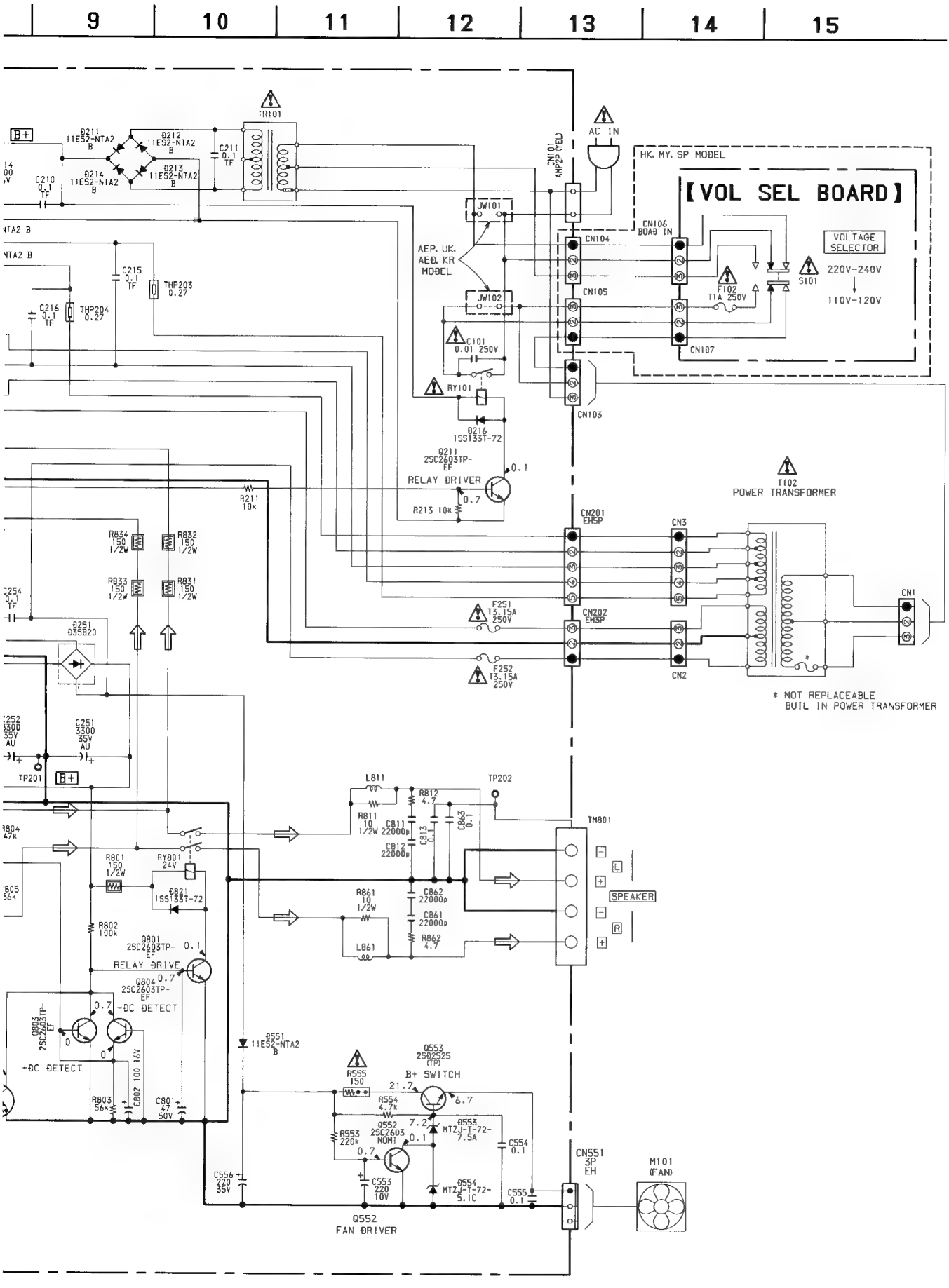
Ref. No.	Location
D201	D-5
D202	D-4
D203	D-5
D204	D-4
D205	C-2
D206	C-2
D207	B-5
D208	B-5
D209	D-5
D210	D-5
D211	F-4
D212	F-4
D213	F-4
D214	F-4
D215	E-4
D216	F-5
D217	B-1
D218	D-4
D251	B-6
D311	A-4
D551	A-7
D553	B-9
D554	B-9
D821	A-7
IC211	E-4
IC801	E-7
Q201	C-1
Q202	B-3
Q211	E-4
Q301	B-2
Q302	B-2
Q311	A-4
Q312	C-5
Q313	A-3
Q314	B-3
Q315	A-3
Q512	B-3
Q552	B-9
Q553	B-8
Q562	B-3
Q801	A-7
Q802	A-8
Q803	A-8
Q804	A-7

There are a few cases that the part isn't mounted in model is printed on diagram.

4-4. PRINTED WIRING BOARD – PANEL SECTION –

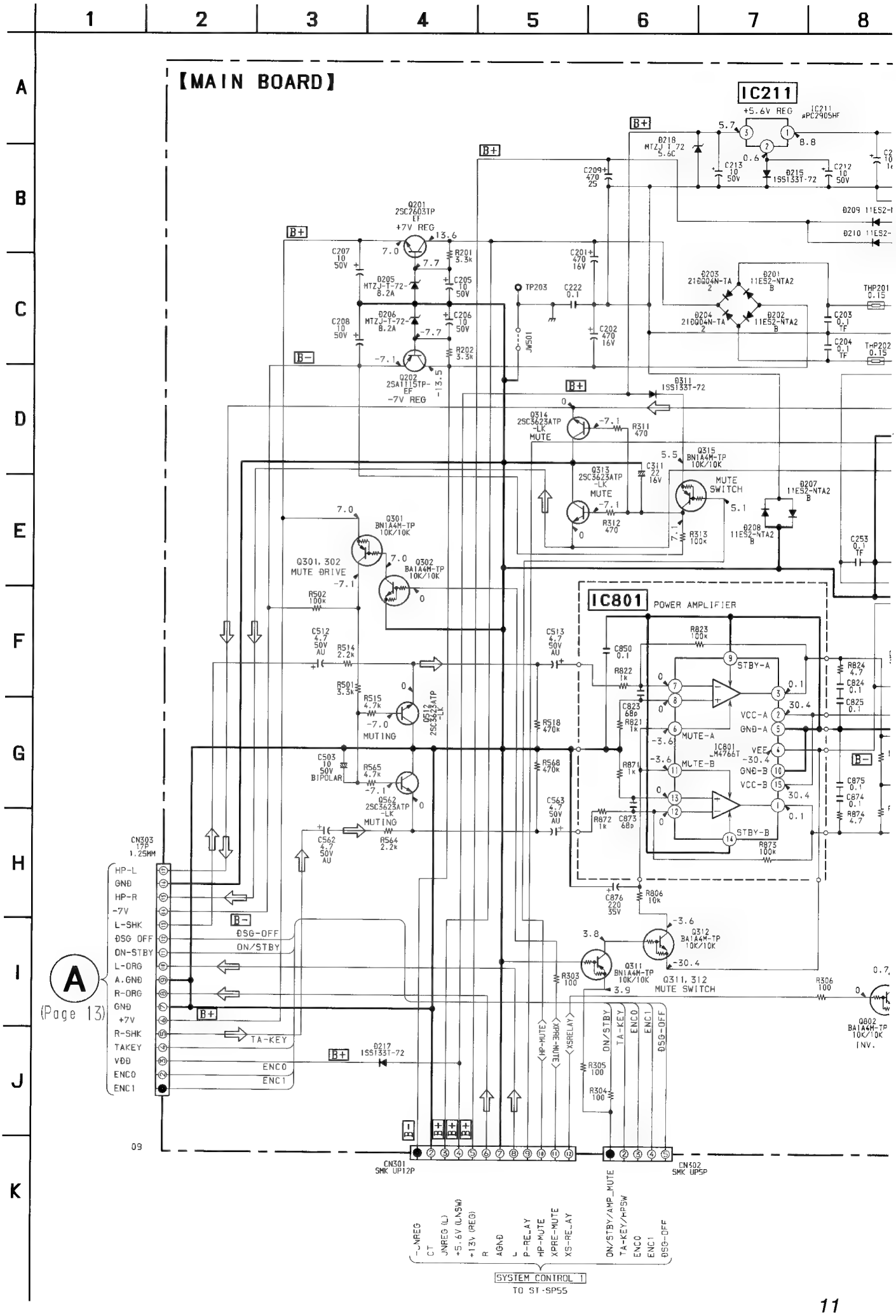


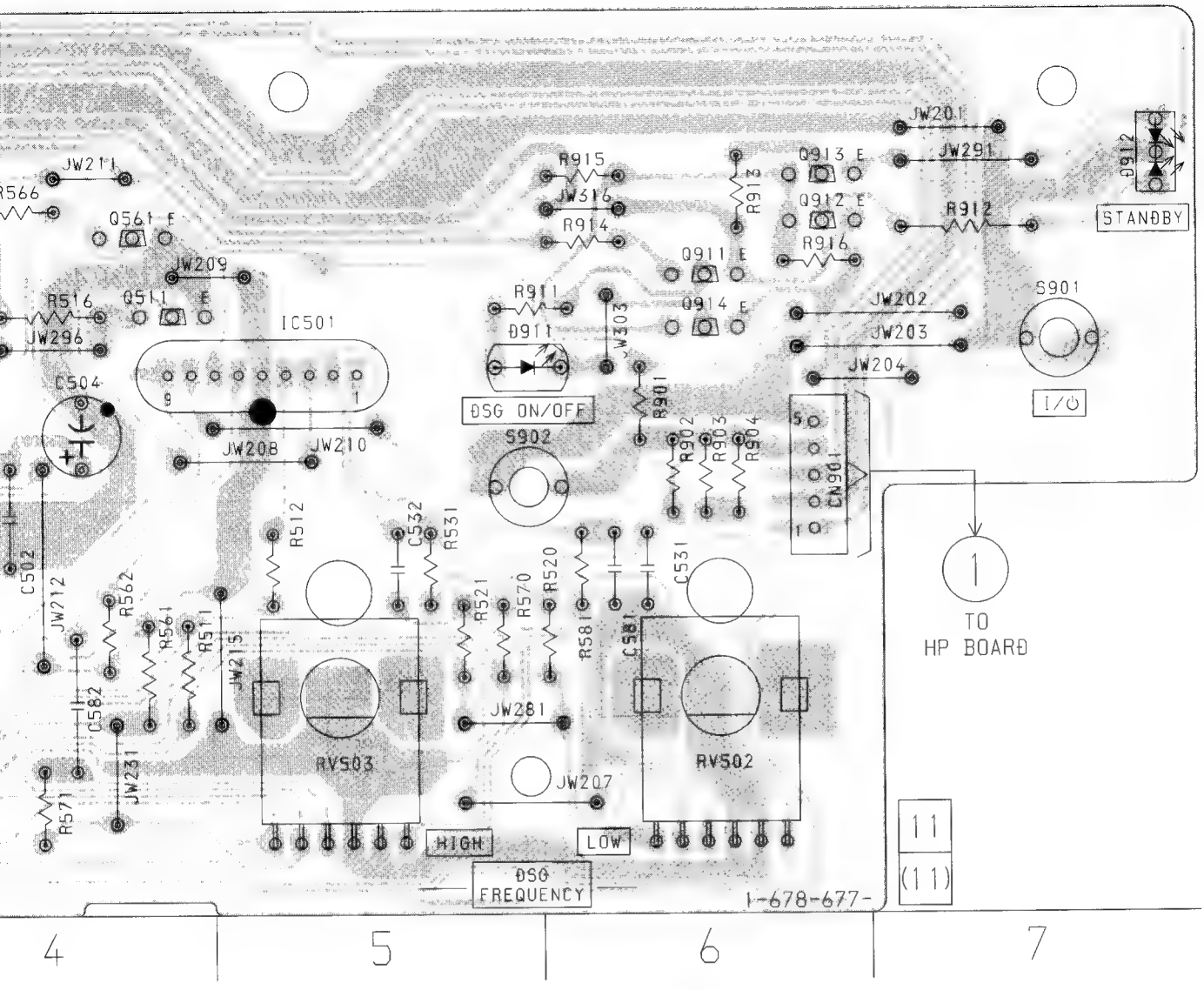




Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

4-3. SCHEMATIC DIAGRAM – MAIN SECTION –



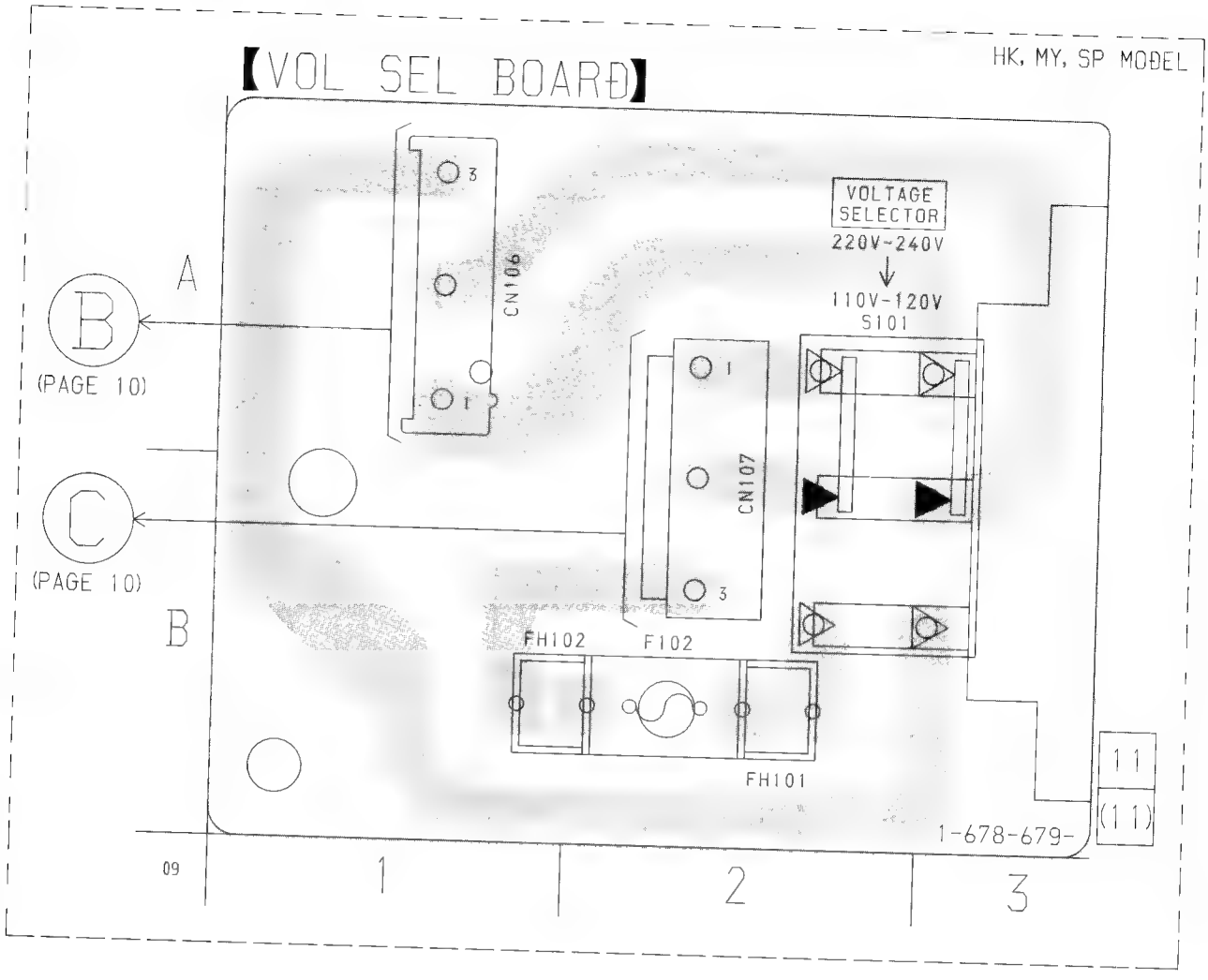


• **Semiconductor Location**

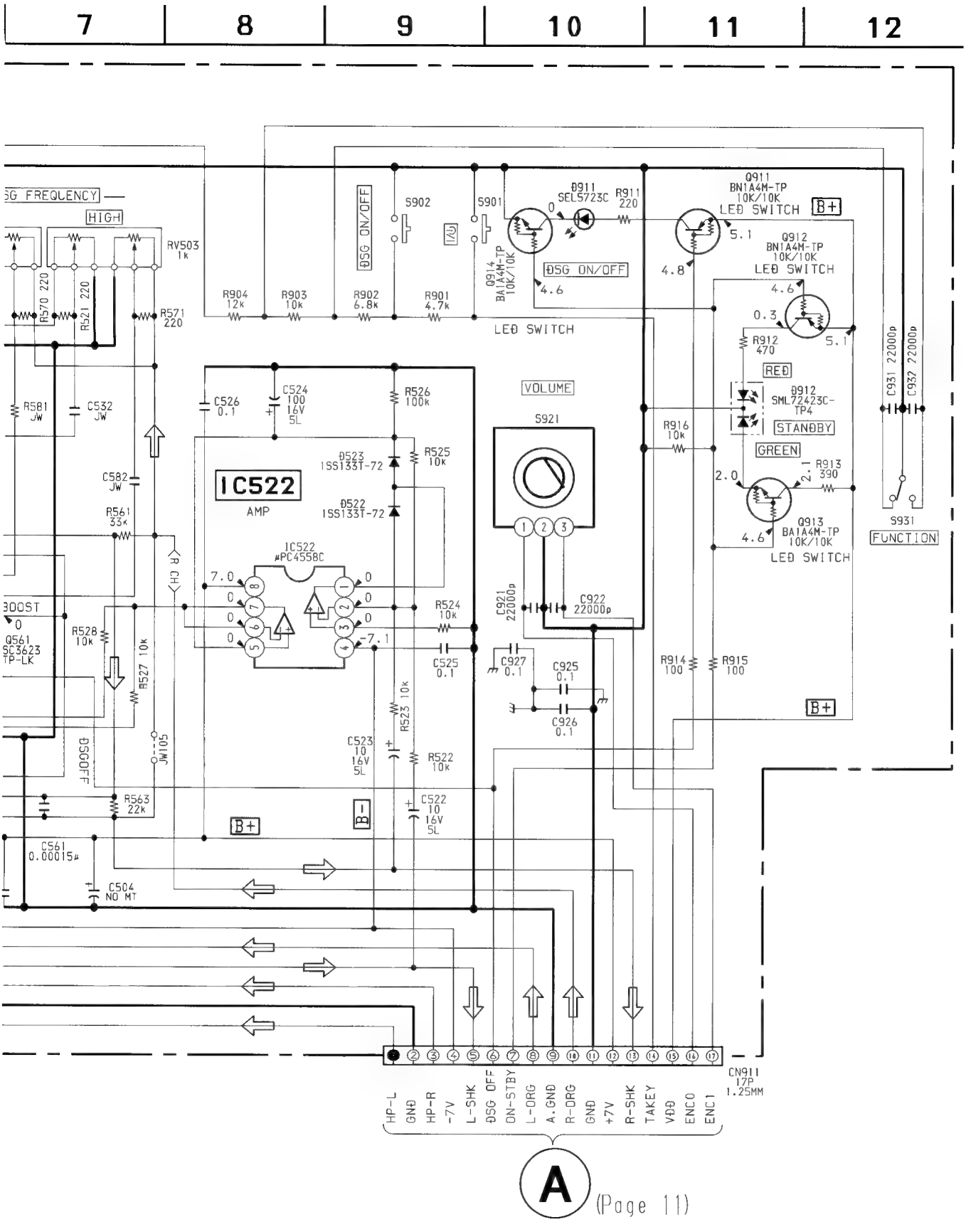
Ref. No.	Location
D522	B-2
D523	B-2
D911	B-5
D912	A-7
IC501	B-5
IC502	B-4
IC522	B-2
Q511	A-4
Q561	A-4
Q911	A-6
Q912	A-6
Q913	A-6
Q914	A-6

There are a few cases that the part isn't mounted in model is printed on diagram.

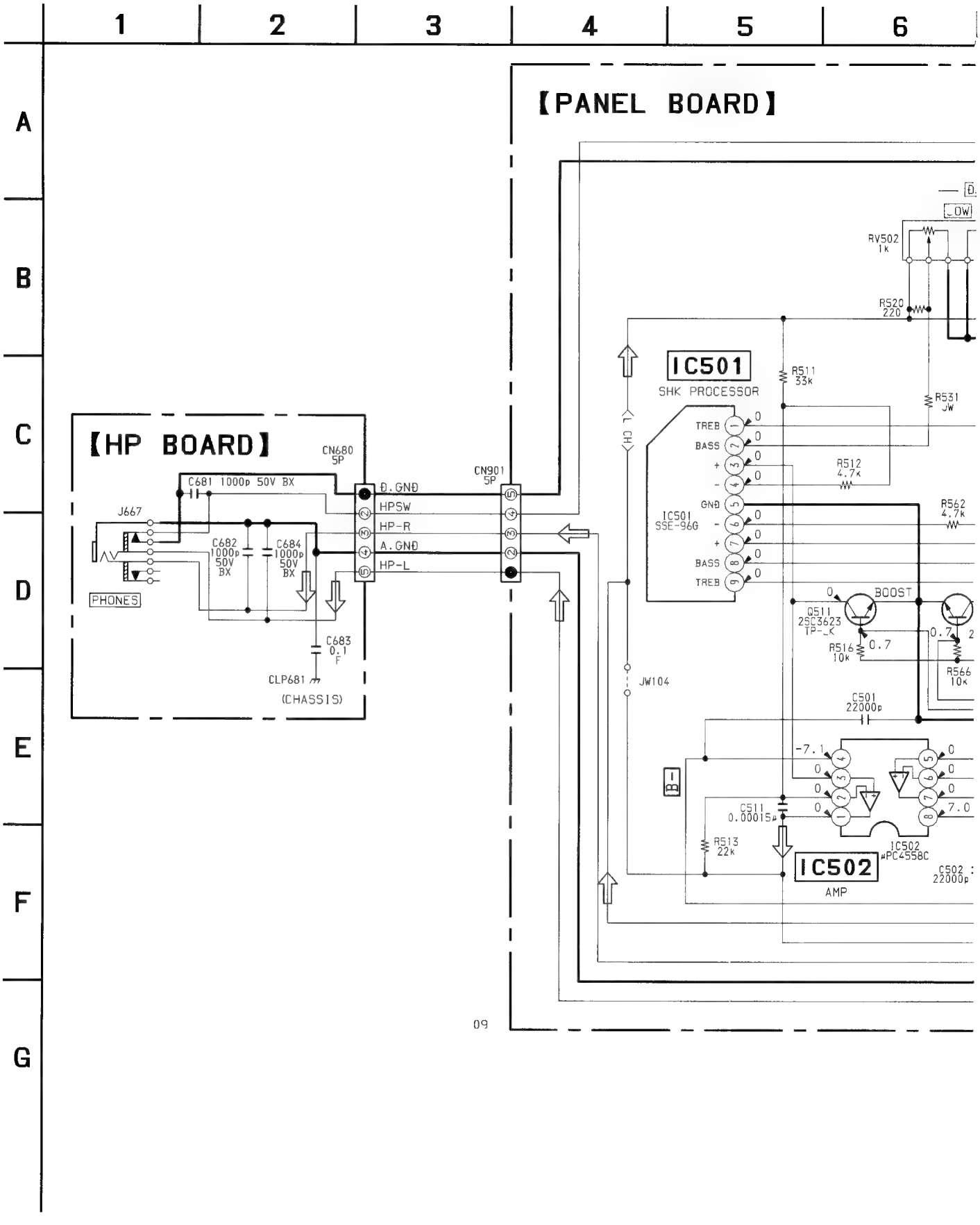
4-6. PRINTED WIRING BOARD – VOLSEL SECTION –



There are a few cases that the part isn't mounted in model is printed on diagram.


7
8
9
10
11
12
IC522
AMP
VOLUME
S921
S931
FUNCTION
LED SWITCH
STANDBY
GREEN
RED
DSG ON/OFF
CN911
17P
1.25MM
HP-L
GND
HP-R
-7V
L-SHK
DSG OFF
ON-STBY
L-ORG
A.GND
R-ORG
GND
+7V
R-SHK
TAKEY
VDD
ENC0
ENC1
A
(Page 11)

4-5. SCHEMATIC DIAGRAM – PANEL SECTION –



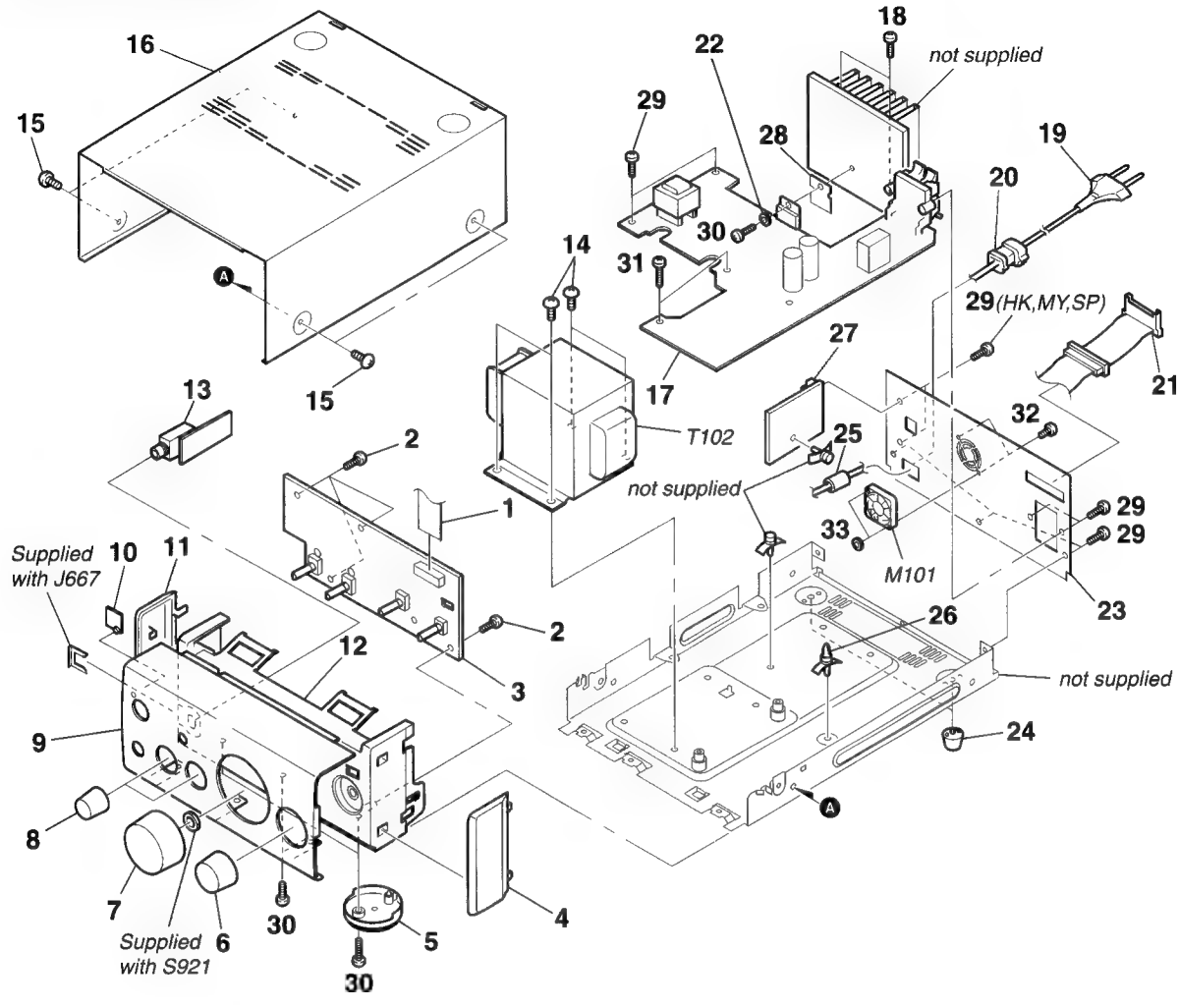
SECTION 5
EXPLODED VIEW

NOTE:

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
  AED : North European model
  MY : Malasia model
  SP : Singapore model
  HK : Hong Kong model
  KR : Korea model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

5-1. CASE AND FRONT PANEL



Ref. No.	Part No.	Description	Remarks
1	1-773-043-11	WIRE (FLAT TYPE) (17 CORE)	
2	4-951-620-01	SCREW (2.6X8), +BVTP	
3	1-678-677-11	PANEL BOARD	
4	4-229-703-01	PLATE (R), SIDE	
5	X-4953-027-1	FOOT ASSY	
6	4-229-692-01	KNOB (SELECT)	
7	4-229-691-01	KNOB (VOL)	
8	4-229-693-01	KNOB (DSG)	
9	4-229-690-01	PANEL(TA), FRONT	
10	4-229-697-01	INDICATOR (P)	
11	4-229-704-01	PLATE (L), SIDE	
12	X-4953-023-1	PANEL ASSY (TA), SUB	
13	1-678-678-11	HP BOARD	
14	4-900-386-01	SCREW	
15	3-363-099-51	SCREW (CASE 3 TP2)	
16	4-229-701-31	CASE	
17	A-4473-728-A	MAIN BOARD, COMPLETE (AEP,AED,UK,KR)	
17	A-4473-732-A	MAIN BOARD, COMPLETE (HK,MY,SP)	
18	3-970-608-11	SUMITITE (B3), +BV	
⚠19	1-769-079-11	CORD, POWER (KR)	

Ref. No.	Part No.	Description	Remarks
⚠19	1-777-071-61	CORD, POWER (AEP,AED,UK,HK,MY,SP)	
* 20	3-703-244-00	BUSHING (2104), CORD	
21	1-792-922-11	CORD (WITH CONNECTOR)	
22	4-857-425-00	BUSHING, 03P INSULATING	
23	4-229-700-01	PANEL, BACK (AEP,AED,UK)	
23	4-229-700-21	PANEL, BACK (MY,SP)	
23	4-229-700-31	PANEL, BACK (HK)	
23	4-229-700-41	PANEL, BACK (KR)	
24	4-965-822-01	FOOT	
25	1-500-386-11	FILTER, CLAMP (FERRITE CORE)	
* 26	4-954-051-41	HOLDER, PC BOARD	
27	1-678-679-11	VOL SEL BOARD (HK,MY,SP)	
28	4-230-423-01	SHEET, INSULATING	
29	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
30	7-685-648-79	SCREW +BVTP 3X12 TYPE2 N-S	
31	7-685-650-79	SCREW +BVTP 3X16 TYPE2 N-S	
32	7-682-563-09	SCREW +B 4X12	
33	7-684-024-04	N 4, TYPE 2	
M101	1-698-997-21	FAN, D.C.	
⚠T102	1-435-600-11	TRANSFORMER, POWER (AEP,AED,UK,KR)	
⚠T102	1-435-601-11	TRANSFORMER, POWER (HK,MY,SP)	

HP MAIN

SECTION 6
ELECTRICAL PARTS LIST

Note:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- SEMICONDUCTORS
  In each case, u: μ , for example:
  uA...: μ A..., uPA...: μ PA..., uPB...: μ PB..., uPC...: μ PC..., uPD...: μ PD...
- CAPACITORS
  uF : μ F
- COILS
  uH : μ H
- Abbreviation
  AED : North European model
  MY : Malasia model
  SP : Songapore model
  HK : Hong Kong model
  KR : Korea model

Ref. No.	Part No.	Description			Remarks
	1-678-678-11	HP BOARD			
		*******			
		< CAPACITOR >			
C681	1-162-294-31	CERAMIC	0.001uF	10%	50V
C682	1-162-294-31	CERAMIC	0.001uF	10%	50V
C683	1-164-159-11	CERAMIC	0.1uF		50V
C684	1-162-294-31	CERAMIC	0.001uF	10%	50V
		< JACK >			
J667	1-774-933-11	JACK (LARGE TYPE) (PHONES)			
**********					
	A-4473-728-A	MAIN BOARD, COMPLETE (AEP,AED,UK,KR)			
		**********			
	A-4473-732-A	MAIN BOARD, COMPLETE (HK,MY,SP)			
		**********			
	1-533-293-11	FUSE HOLDER			
*	4-374-846-21	COVER, CAPACITOR, CAP TYPE			
		< CAPACITOR >			
⚠C101	1-113-925-11	CERAMIC	0.01uF	20%	250V
C201	1-126-935-11	ELECT	470uF	20%	16V
C202	1-126-935-11	ELECT	470uF	20%	16V
C203	1-136-165-00	MYLAR	0.1uF	5%	50V
C204	1-136-165-00	MYLAR	0.1uF	5%	50V
C205	1-126-964-11	ELECT	10uF	20%	50V
C206	1-126-964-11	ELECT	10uF	20%	50V
C207	1-126-964-11	ELECT	10uF	20%	50V
C208	1-126-964-11	ELECT	10uF	20%	50V
C209	1-126-941-11	ELECT	470uF	20%	25V
C210	1-136-165-00	MYLAR	0.1uF	5%	50V
C211	1-136-165-00	MYLAR	0.1uF	5%	50V
C212	1-126-964-11	ELECT	10uF	20%	50V
C213	1-126-964-11	ELECT	10uF	20%	50V
C214	1-126-767-11	ELECT	1000uF	20%	16V
C215	1-136-165-00	MYLAR	0.1uF	5%	50V
C216	1-136-165-00	MYLAR	0.1uF	5%	50V
C222	1-164-159-11	CERAMIC	0.1uF		50V
C251	1-126-042-11	ELECT	3300uF	20%	35V
C252	1-126-042-11	ELECT	3300uF	20%	35V
C253	1-136-165-00	MYLAR	0.1uF	5%	50V
C254	1-136-165-00	MYLAR	0.1uF	5%	50V
C311	1-107-715-11	ELECT	22uF	20%	16V

Ref. No.	Part No.	Description			Remarks
C503	1-107-714-11	ELECT	10uF	20%	50V
C512	1-126-047-71	ELECT	4.7uF	20%	50V
C513	1-126-047-71	ELECT	4.7uF	20%	50V
C553	1-126-934-11	ELECT	220uF	20%	10V
C554	1-164-159-11	CERAMIC	0.1uF		50V
C555	1-164-159-11	CERAMIC	0.1uF		50V
C556	1-126-949-11	ELECT	220uF	20%	35V
C562	1-126-047-71	ELECT	4.7uF	20%	50V
C563	1-126-047-71	ELECT	4.7uF	20%	50V
C801	1-126-967-11	ELECT	47uF	20%	50V
C802	1-126-933-11	ELECT	100uF	20%	16V
C811	1-161-494-00	CERAMIC	0.022uF		25V
C812	1-161-494-00	CERAMIC	0.022uF		25V
C813	1-164-159-11	CERAMIC	0.1uF		50V
C823	1-162-219-31	CERAMIC	68PF	5%	50V
C824	1-164-159-11	CERAMIC	0.1uF		50V
C825	1-164-159-11	CERAMIC	0.1uF		50V
C850	1-164-159-11	CERAMIC	0.1uF		50V
C861	1-161-494-00	CERAMIC	0.022uF		25V
C862	1-161-494-00	CERAMIC	0.022uF		25V
C863	1-164-159-11	CERAMIC	0.1uF		50V
C873	1-162-219-31	CERAMIC	68PF	5%	50V
C874	1-164-159-11	CERAMIC	0.1uF		50V
C875	1-164-159-11	CERAMIC	0.1uF		50V
C876	1-126-949-11	ELECT	220uF	20%	35V
		< CONNECTOR >			
* CN101	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P			
CN103	1-564-321-00	PIN, CONNECTOR 2P (AEP,AED,UK,KR)			
* CN103	1-564-687-11	PIN, CONNECTOR 3P (HK,MY,SP)			
* CN104	1-564-687-11	PIN, CONNECTOR 3P (HK,MY,SP)			
* CN201	1-564-508-11	PLUG, CONNECTOR 5P			
CN202	1-564-506-11	PLUG, CONNECTOR 3P			
CN301	1-794-568-11	PIN, CONNECTOR 12P			
CN302	1-794-569-11	PIN, CONNECTOR 5P			
CN303	1-784-778-11	CONNECTOR, FFC 17P			
CN551	1-564-506-11	PLUG, CONNECTOR 3P			
		< DIODE >			
D201	8-719-024-99	DIODE 11ES2-NTA2B			
D202	8-719-024-99	DIODE 11ES2-NTA2B			
D203	8-719-975-85	DIODE 21DQ04N-TA2			
D204	8-719-975-85	DIODE 21DQ04N-TA2			
D205	8-719-947-36	DIODE MTZJ-T-72-8.2A			

Ref. No.	Part No.	Description	Remarks
D206	8-719-947-36	DIODE MTZJ-T-72-8.2A	
D207	8-719-024-99	DIODE 11ES2-NTA2B	
D208	8-719-024-99	DIODE 11ES2-NTA2B	
D209	8-719-024-99	DIODE 11ES2-NTA2B	
D210	8-719-024-99	DIODE 11ES2-NTA2B	
D211	8-719-024-99	DIODE 11ES2-NTA2B	
D212	8-719-024-99	DIODE 11ES2-NTA2B	
D213	8-719-024-99	DIODE 11ES2-NTA2B	
D214	8-719-024-99	DIODE 11ES2-NTA2B	
D215	8-719-911-19	DIODE 1SS133T-72	
D216	8-719-911-19	DIODE 1SS133T-72	
D217	8-719-911-19	DIODE 1SS133T-72	
D218	8-719-921-48	DIODE MTZJ-T-72-5.6C	
D251	8-719-500-33	DIODE D3SB20	
D311	8-719-911-19	DIODE 1SS133T-72	
D551	8-719-024-99	DIODE 11ES2-NTA2B	
D553	8-719-947-33	DIODE MTZJ-T-72-7.5A	
D554	8-719-921-44	DIODE MTZJ-T-72-5.1C	
D821	8-719-911-19	DIODE 1SS133T-72	
		< GROUND TERMINAL >	
EPT201	1-537-770-21	TERMINAL BOARD, GROUND	
		< FUSE >	
⚠F251	1-532-465-31	FUSE T3.15AL/250V	
⚠F252	1-532-465-31	FUSE T3.15AL/250V	
		< IC >	
IC211	8-759-647-11	IC uPC2905HF	
IC801	8-759-681-35	IC LM4766T	
		< COIL >	
L811	1-420-872-00	COIL, AIR-CORE	
L861	1-420-872-00	COIL, AIR-CORE	
		< TRANSISTOR >	
Q201	8-729-620-05	TRANSISTOR 2SC2603TP-EF	
Q202	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q211	8-729-620-05	TRANSISTOR 2SC2603TP-EF	
Q301	8-729-422-57	TRANSISTOR BN1A4M-TP	
Q302	8-729-900-80	TRANSISTOR BA1A4M-TP	
Q311	8-729-422-57	TRANSISTOR BN1A4M-TP	
Q312	8-729-900-80	TRANSISTOR BA1A4M-TP	
Q313	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q314	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q315	8-729-422-57	TRANSISTOR BN1A4M-TP	
Q512	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q552	8-729-620-05	TRANSISTOR 2SC2603TP-EF	
Q553	8-729-026-68	TRANSISTOR 2SD2525(TP)	
Q562	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q801	8-729-620-05	TRANSISTOR 2SC2603TP-EF	
Q802	8-729-900-80	TRANSISTOR BA1A4M-TP	
Q803	8-729-620-05	TRANSISTOR 2SC2603TP-EF	
Q804	8-729-620-05	TRANSISTOR 2SC2603TP-EF	
		< RESISTOR >	
R201	1-247-843-11	CARBON 3.3K 5% 1/4W	
R202	1-247-843-11	CARBON 3.3K 5% 1/4W	
R211	1-249-429-11	CARBON 10K 5% 1/4W	
R213	1-249-429-11	CARBON 10K 5% 1/4W	
R303	1-247-807-31	CARBON 100 5% 1/4W	
R304	1-247-807-31	CARBON 100 5% 1/4W	
R305	1-247-807-31	CARBON 100 5% 1/4W	
R306	1-247-807-31	CARBON 100 5% 1/4W	
R311	1-249-413-11	CARBON 470 5% 1/4W	F
R312	1-249-413-11	CARBON 470 5% 1/4W	F
R313	1-249-441-11	CARBON 100K 5% 1/4W	
R501	1-247-843-11	CARBON 3.3K 5% 1/4W	
R502	1-249-441-11	CARBON 100K 5% 1/4W	
R514	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R515	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R518	1-247-895-00	CARBON 470K 5% 1/4W	
R553	1-247-887-00	CARBON 220K 5% 1/4W	
R554	1-249-425-11	CARBON 4.7K 5% 1/4W	F
⚠R555	1-215-887-11	METAL OXIDE 150 5% 2W	
R564	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R565	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R568	1-247-895-00	CARBON 470K 5% 1/4W	
R801	1-260-089-11	CARBON 150 5% 1/2W	
R802	1-249-441-11	CARBON 100K 5% 1/4W	
R803	1-249-438-11	CARBON 56K 5% 1/4W	
R804	1-249-437-11	CARBON 47K 5% 1/4W	
R805	1-249-438-11	CARBON 56K 5% 1/4W	
R806	1-249-429-11	CARBON 10K 5% 1/4W	
R811	1-260-076-11	CARBON 10 5% 1/2W	
R812	1-249-389-11	CARBON 4.7 5% 1/4W	F
R821	1-249-417-11	CARBON 1K 5% 1/4W	F
R822	1-249-417-11	CARBON 1K 5% 1/4W	F
R823	1-249-441-11	CARBON 100K 5% 1/4W	
R824	1-249-389-11	CARBON 4.7 5% 1/4W	F
R831	1-260-089-11	CARBON 150 5% 1/2W	
R832	1-260-089-11	CARBON 150 5% 1/2W	
R833	1-260-089-11	CARBON 150 5% 1/2W	
R834	1-260-089-11	CARBON 150 5% 1/2W	
R861	1-260-076-11	CARBON 10 5% 1/2W	
R862	1-249-389-11	CARBON 4.7 5% 1/4W	F
R871	1-249-417-11	CARBON 1K 5% 1/4W	F
R872	1-249-417-11	CARBON 1K 5% 1/4W	F
R873	1-249-441-11	CARBON 100K 5% 1/4W	
R874	1-249-389-11	CARBON 4.7 5% 1/4W	F
		< RELAY >	
RY101	1-755-276-11	RELAY, POWER	
RY801	1-515-920-11	RELAY (24V)	
		< THERMISTOR(POSITIVE) >	
THP201	1-804-233-21	THERMISTOR, POSITIVE	
THP202	1-804-233-21	THERMISTOR, POSITIVE	
THP203	1-804-234-21	THERMISTOR, POSITIVE	
THP204	1-804-234-21	THERMISTOR, POSITIVE	
		< TERMINAL >	
TM801	1-694-677-11	TERMINAL BOARD (4P) (SPEAKERS)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

MAIN | PANEL | VOL SEL

Ref. No.	Part No.	Description			Remarks
		< POWER TRANSFORMER >			
⚠TR101	1-435-624-11	TRANSFORMER, POWER (AEP,AED,UK,KR)			
⚠TR101	1-435-625-11	TRANSFORMER, POWER (HK,MY,SP)			
**********					
	1-678-677-11	PANEL BOARD			
		**********			
		< CAPACITOR >			
C501	1-161-494-00	CERAMIC	0.022uF		25V
C502	1-161-494-00	CERAMIC	0.022uF		25V
C511	1-110-337-51	MYLAR	150PF	5%	50V
C522	1-126-157-11	ELECT	10uF	20%	16V
C523	1-126-157-11	ELECT	10uF	20%	16V
C524	1-126-933-11	ELECT	100uF	20%	16V
C525	1-164-159-11	CERAMIC	0.1uF		50V
C526	1-164-159-11	CERAMIC	0.1uF		50V
C561	1-110-337-51	MYLAR	150PF	5%	50V
C921	1-161-494-00	CERAMIC	0.022uF		25V
C922	1-161-494-00	CERAMIC	0.022uF		25V
C925	1-164-159-11	CERAMIC	0.1uF		50V
C926	1-164-159-11	CERAMIC	0.1uF		50V
C927	1-164-159-11	CERAMIC	0.1uF		50V
C931	1-161-494-00	CERAMIC	0.022uF		25V
C932	1-161-494-00	CERAMIC	0.022uF		25V
		< LEAD >			
* CLP925	1-690-880-31	LEAD (WITH CONNECTOR)			
		< CONNECTOR >			
CN911	1-784-739-11	CONNECTOR, FFC 17P			
		< DIODE >			
D522	8-719-911-19	DIODE 1SS133T-72			
D523	8-719-911-19	DIODE 1SS133T-72			
D911	8-719-071-42	DIODE SEL5723C-TP15 (DSG ON/OFF)			
D912	8-719-056-11	DIODE SML72423C-TP15 (STANDBY)			
		< IC >			
IC501	8-749-015-28	IC SSE-96G			
IC502	8-759-705-58	IC NJM4558D-D			
IC522	8-759-705-58	IC NJM4558D-D			
		< TRANSISTOR >			
Q511	8-729-141-30	TRANSISTOR 2SC3623ATP-LK			
Q561	8-729-141-30	TRANSISTOR 2SC3623ATP-LK			
Q911	8-729-422-57	TRANSISTOR BN1A4M-TP			
Q912	8-729-422-57	TRANSISTOR BN1A4M-TP			
Q913	8-729-900-80	TRANSISTOR BA1A4M-TP			
Q914	8-729-900-80	TRANSISTOR BA1A4M-TP			
		< RESISTOR >			
R511	1-249-435-11	CARBON	33K	5%	1/4W
R512	1-249-425-11	CARBON	4.7K	5%	1/4W F
R513	1-249-433-11	CARBON	22K	5%	1/4W
R516	1-249-429-11	CARBON	10K	5%	1/4W
R520	1-249-409-11	CARBON	220	5%	1/4W F
R521	1-249-409-11	CARBON	220	5%	1/4W F

Ref. No.	Part No.	Description			Remarks
R522	1-249-429-11	CARBON	10K	5%	1/4W
R523	1-249-429-11	CARBON	10K	5%	1/4W
R524	1-249-429-11	CARBON	10K	5%	1/4W
R525	1-249-429-11	CARBON	10K	5%	1/4W
R526	1-249-441-11	CARBON	100K	5%	1/4W
R527	1-249-429-11	CARBON	10K	5%	1/4W
R528	1-249-429-11	CARBON	10K	5%	1/4W
R561	1-249-435-11	CARBON	33K	5%	1/4W
R562	1-249-425-11	CARBON	4.7K	5%	1/4W F
R563	1-249-433-11	CARBON	22K	5%	1/4W
R566	1-249-429-11	CARBON	10K	5%	1/4W
R570	1-249-409-11	CARBON	220	5%	1/4W F
R571	1-249-409-11	CARBON	220	5%	1/4W F
R901	1-249-425-11	CARBON	4.7K	5%	1/4W F
R902	1-249-427-11	CARBON	6.8K	5%	1/4W F
R903	1-249-429-11	CARBON	10K	5%	1/4W
R904	1-249-430-11	CARBON	12K	5%	1/4W
R911	1-249-409-11	CARBON	220	5%	1/4W F
R912	1-249-413-11	CARBON	470	5%	1/4W F
R913	1-249-412-11	CARBON	390	5%	1/4W F
R914	1-247-807-31	CARBON	100	5%	1/4W
R915	1-247-807-31	CARBON	100	5%	1/4W
R916	1-249-429-11	CARBON	10K	5%	1/4W
		< VARIABLE RESISTOR >			
RV502	1-227-202-11	RES, VAR 1K (DSG FREQ. LOW)			
RV503	1-227-202-11	RES, VAR 1K (DSG FREQ. HIGH)			
		< SWITCH >			
S901	1-771-410-21	SWITCH, TACTILE (I/⏻)			
S902	1-771-410-21	SWITCH, TACTILE (DSG ON/OFF)			
S921	1-476-087-11	ENCODER, ROTARY (VOLUME)			
S931	1-771-963-11	SWITCH (FUNCTION)			
**********					
	1-678-679-11	VOL SEL BOARD (HK,MY,SP)			
		**********			
	1-533-293-11	FUSE HOLDER (HK,MY,SP)			
		< CONNECTOR >			
* CN107	1-564-687-11	PIN, CONNECTOR 3P (HK,MY,SP)			
		< FUSE >			
⚠F102	1-532-463-31	FUSE 1A/250V (HK,MY,SP) (HK,MY,SP)			
		< SWITCH >			
⚠S101	1-571-309-11	SWITCH (VOLTAGE SELECTOR) (HK,MY,SP)			
**********					

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remarks
		MISCELLANEOUS	
		**********	
1	1-773-043-11	WIRE (FLAT TYPE) (17 CORE)	
⚠19	1-769-079-11	CORD, POWER (KR)	
⚠19	1-777-071-61	CORD, POWER (AEP,AED,UK,HK,MY,SP)	
21	1-792-922-11	CORD (WITH CONNECTOR)	
25	1-500-386-11	FILTER, CLAMP (FERRITE CORE)	
M101	1-698-997-21	FAN, D.C.	
⚠T102	1-435-600-11	TRANSFORMER, POWER (AEP,AED,UK,KR)	
⚠T102	1-435-601-11	TRANSFORMER, POWER (HK,MY,SP)	
**********			
		ACCESSORIES & PACKING MATERIALS	
		**********	
⚠	1-569-008-21	ADAPTOR, CONVERSION 2P (MY,SP)	
⚠	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK,HK)	

9-929-535-11

Sony Corporation
Audio Entertainment Group

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